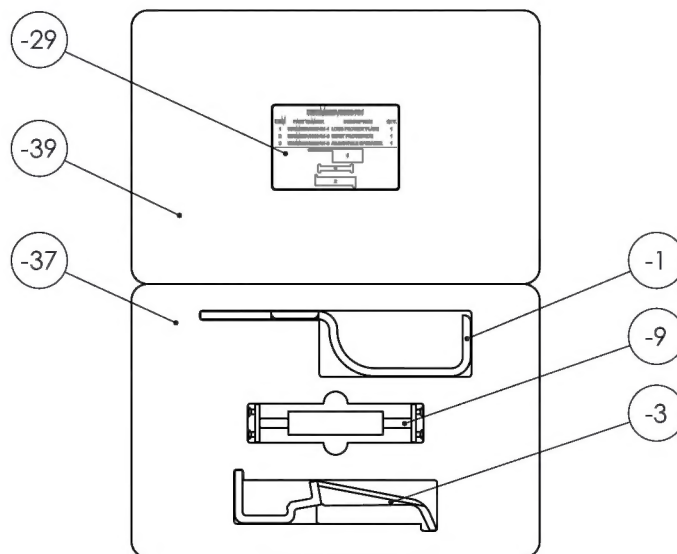


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	5/10/2016	DPD	JAG



ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
						-1	1	LONG PROTECT PLATE	WHITE NYLON		2
				X		-3	1	RIGHT PROTECTION			3
				1		-5		RIGHT PROTECTION MOUNT END	WHITE NYLON		4
				1		-7		RIGHT PROTECTION FORKED END	WHITE NYLON		5
			X			-9	1	ADJUSTABLE SPREADER			6
		X	1			-11		TUBE WELDMENT			7
		1				-13		TUBE	1018/1020 CR		8
		1				-15		RH THREADED TUBE	1018/1020 CR		9
		1				-17		LH THREADED TUBE	1018/1020 CR		10
	X		1			-19		LEFT WELDED THREAD BAR			11
X			1			-21		RIGHT WELDED THREAD BAR			12
1	1					-23		PLATE	1018/1020 CR		13
	1					-25		LH THREADED ROD	1018/1020 CR		14
1						-27		RH THREADED ROD	1018/1020 CR		15
						-29	1	PLACARD	PLASTIC		16
				2	B/O	-31		FLAT HEAD CAP SCREW	STEEL	M5 X 0.8mm X 16mm (MCMaster-CARR #91263A834)	3
			1		B/O	-33		HEAT SHRINK	POLYOLEFIN	Ø1.5 I.D. BEFORE (MCMaster-CARR #7270K4)	6
			8		B/O	-35		FLAT HEAD CAP SCREW	STEEL	M5 X 0.8mm X 12mm (MCMaster-CARR #91263A833)	6
					B/O	-37	1	BOTTOM FOAM	Y20, BLACK	4.25 X 11.40 X 17.00 (I.R. SPECIALTY)	17
					B/O	-39	1	TOP FOAM	Y20, BLACK	1.73 X 11.40 X 17.00 (I.R. SPECIALTY)	18
					B/O	-41	1	CASE	PLASTIC	PELICAN #APP-1500-E	N/S
					B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S
ASSY -21	ASSY -19	ASSY -11	ASSY -9	ASSY -3							

**UNDER REVIEW**  
URF 17-755 VM

NOTE:  
REF. AIRBUS T/N: M323V3009101.



TITLE  
MLG TRAILING ARM  
REPLACEMENT PROTECT TOOL

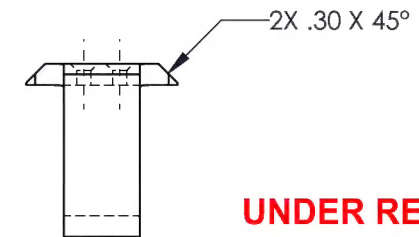
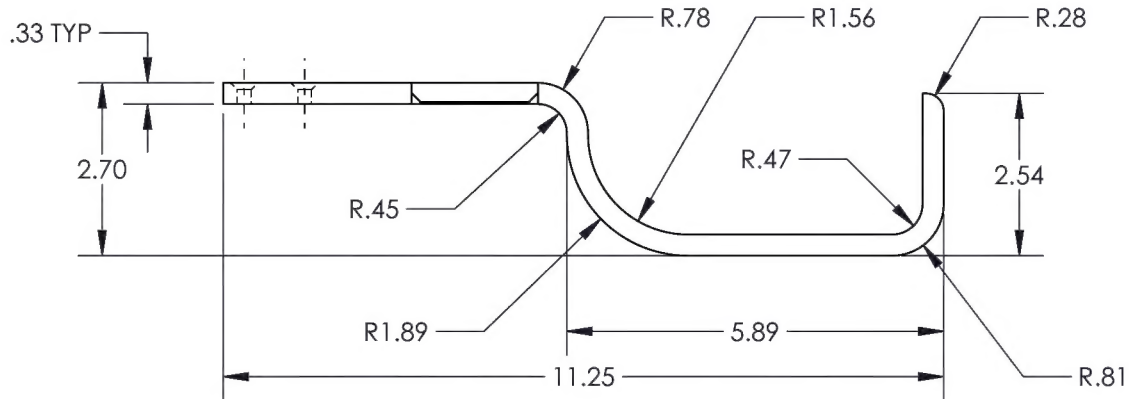
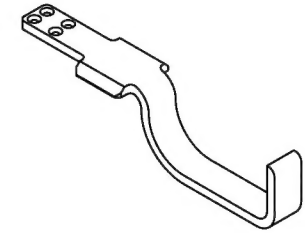
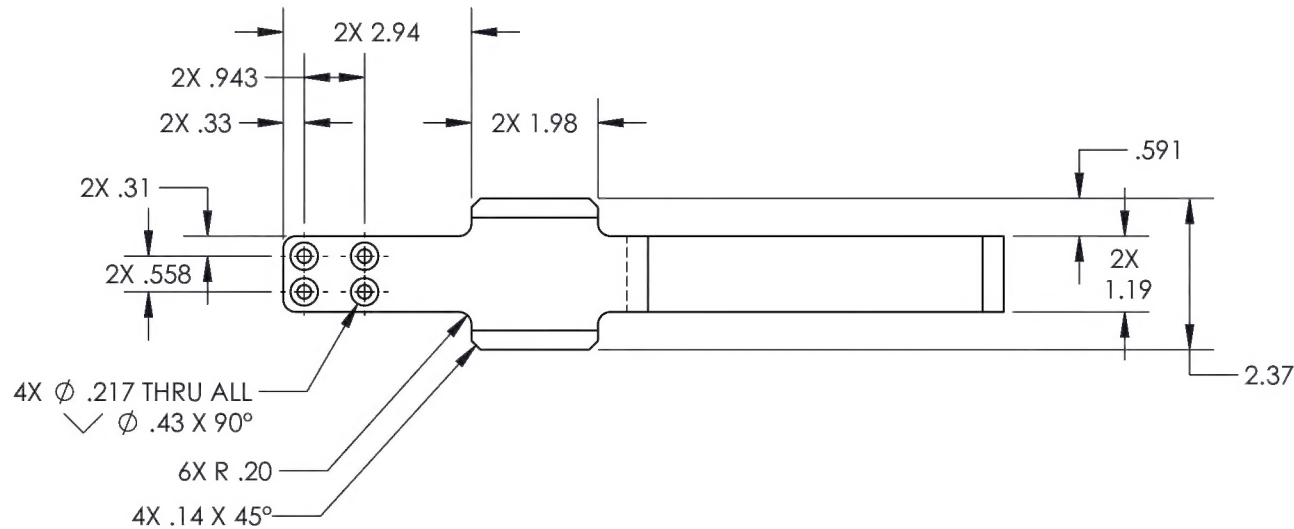
DWG NO. RBEM323V3009101

REV 1

MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
		.X ± .1 SURFACES = 125	
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES	
CHECKED:	CLOUGH	.015 x 45° OR .015R	
OPPS APPR:	ANDERSON	2. DIMENSIONAL LIMITS APPLY	
QA APPR:	LINDSAY	AFTER PLATING	
APPROVED:	GILBERT	3. INTERPRET DIM AND TOL PER	
		ASME Y14.5M-2009	
SCALE	1:8	DATE	4/27/2016
		USED ON MODEL	H175
			SHEET 1 OF 18

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				APPROVED



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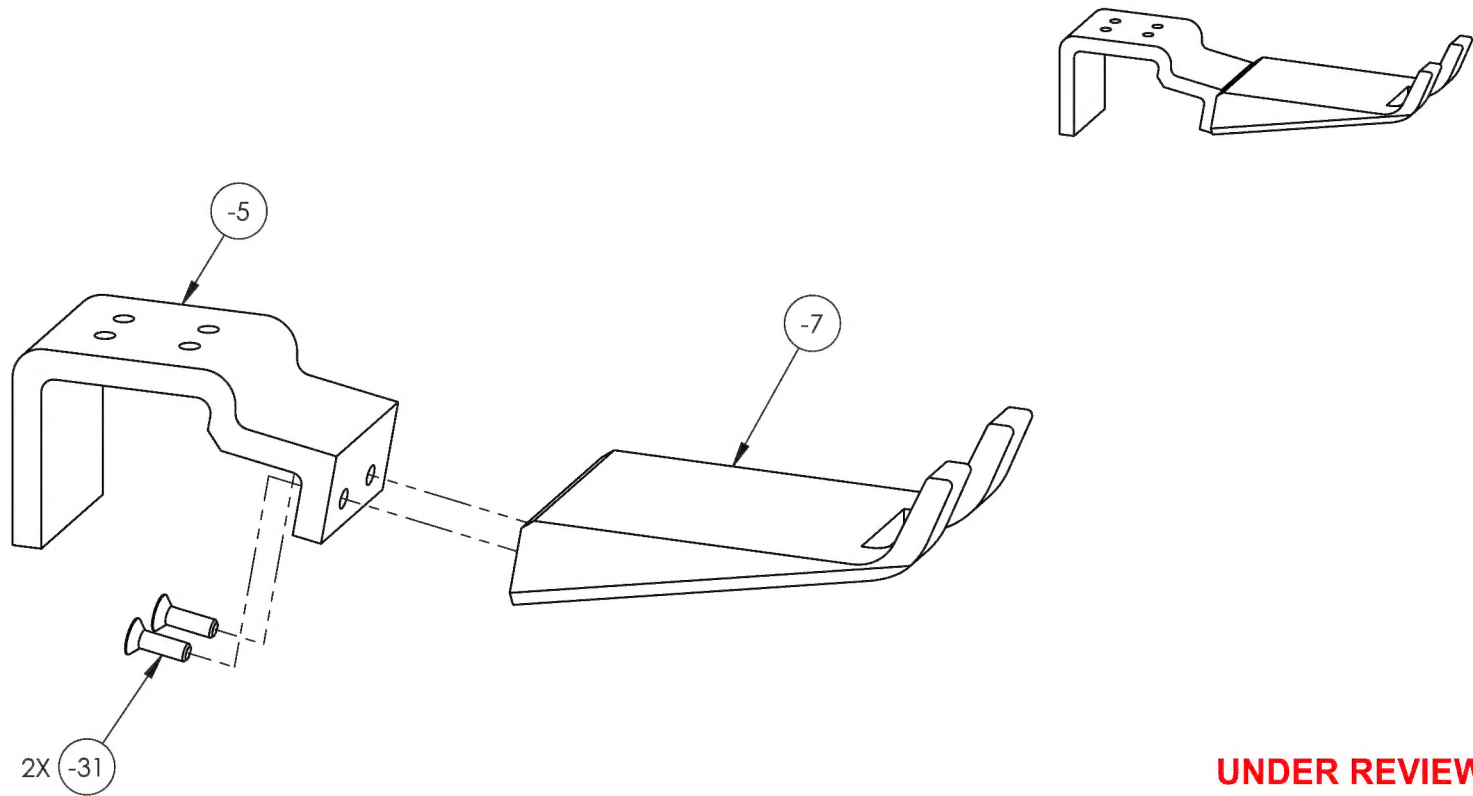
(-1)

LONG PROTECT PLATE

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-1	REV 1
MAT'L WHITE NYLON	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1 SURFACES = 125°	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:3	DATE 4/27/2016
SHEET 2 OF 18	

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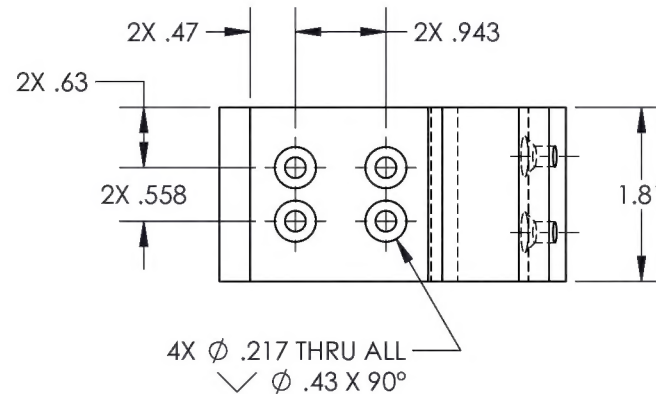
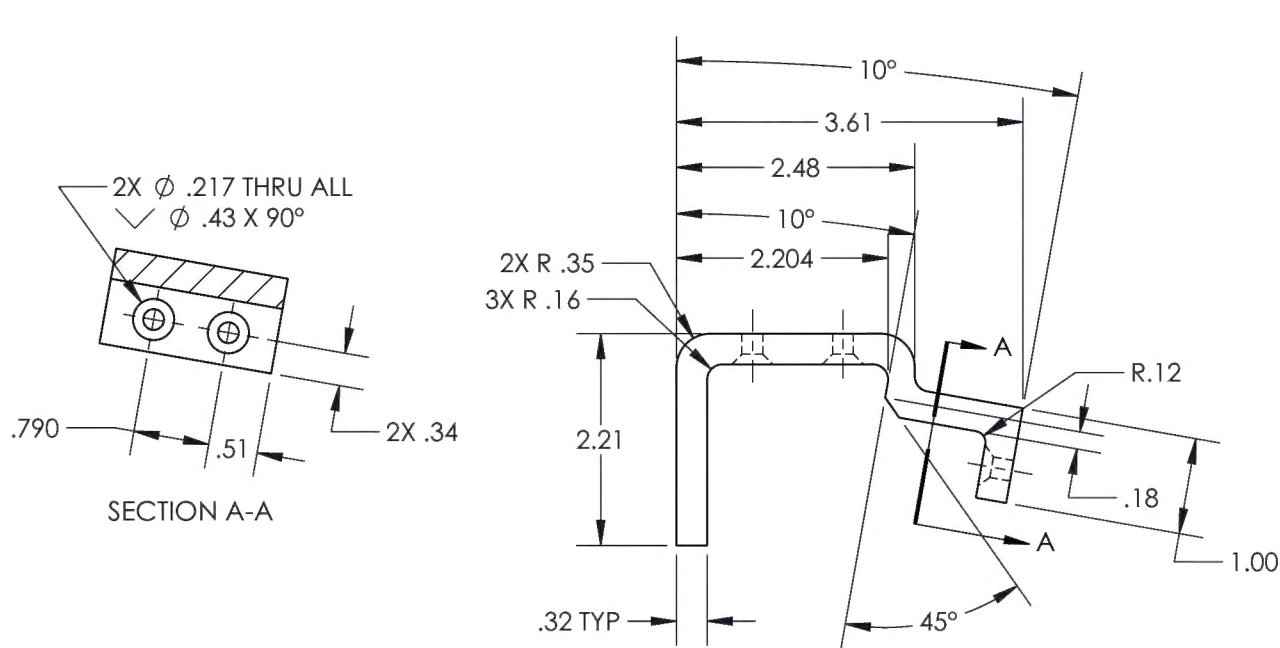
**UNDER REVIEW**  
URF 17-755 VM

(-3)  
RIGHT PROTECTION

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-3	REV 1
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125° ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:2	DATE 4/27/2016 SHEET 3 OF 18

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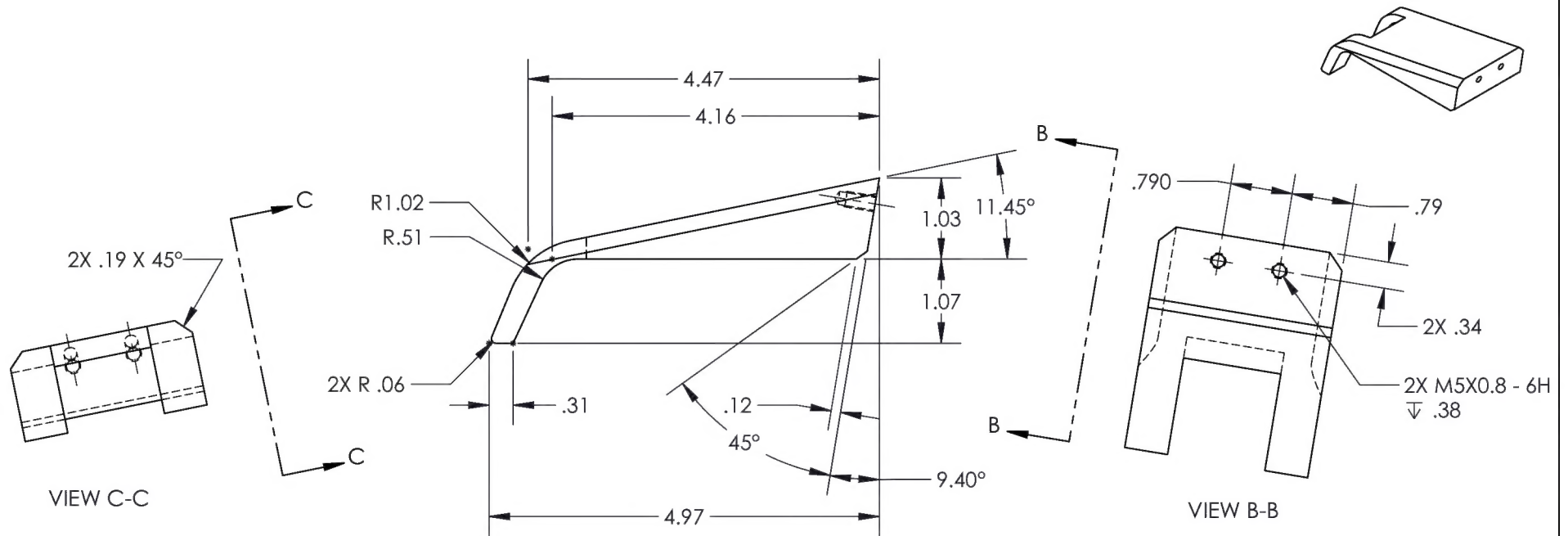
RIGHT PROTECTION MOUNT END

**UNDER REVIEW**  
URF 17-755 VM

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-5	REV 1
MAT'L WHITE NYLON	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± .5°	
.X ± .1 SURFACES = 125°	
SPEC 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 4/27/2016
SHEET 4 OF 18	

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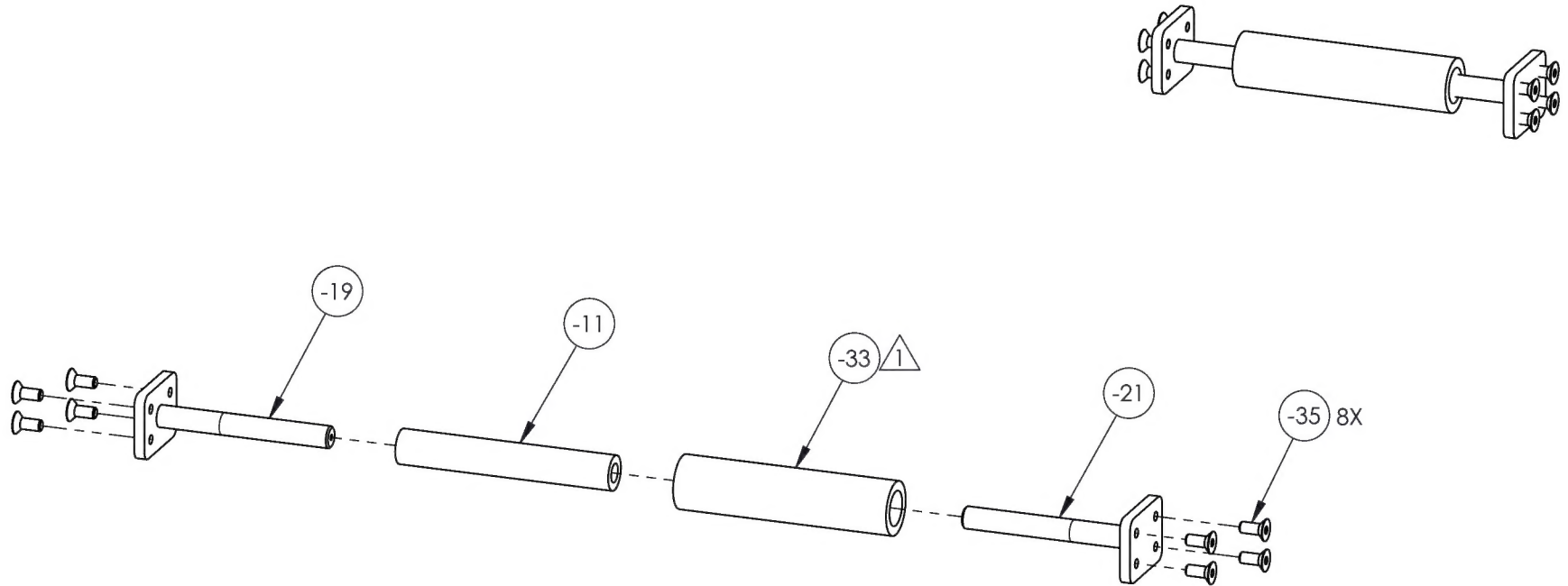
<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-7	REV 1
MAT'L WHITE NYLON TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 4/27/2016
SHEET 5 OF 18	

(-7)

RIGHT PROTECTION FORKED END

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URF 17-755 VM

NOTE:

1 TRIM TO SIZE AFTER HEAT SHRINKING.

(-9)

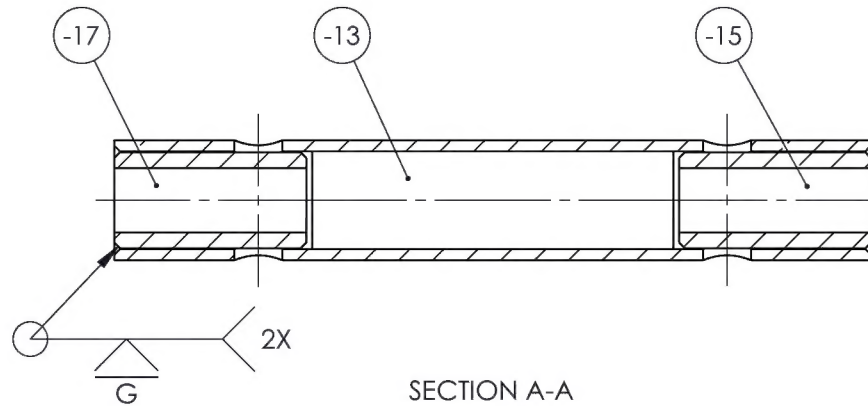
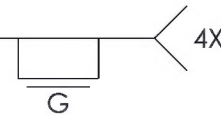
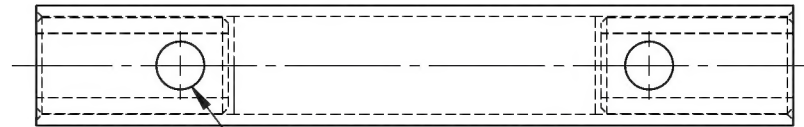
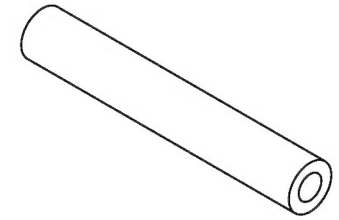
ADJUSTABLE SPREADER

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-9	REV 1
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125° ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:3	DATE 4/27/2016 SHEET 6 OF 18



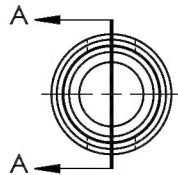
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SECTION A-A

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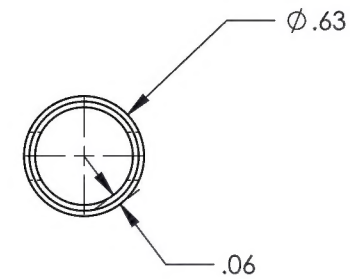
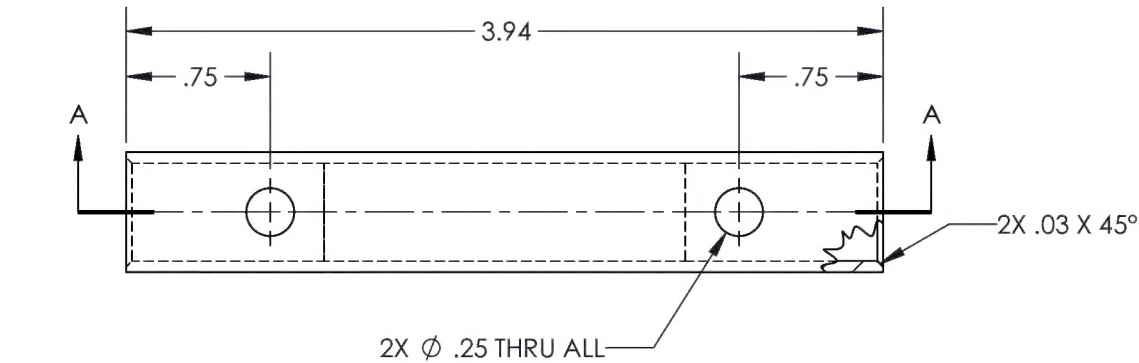
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TUBE WELDMENT

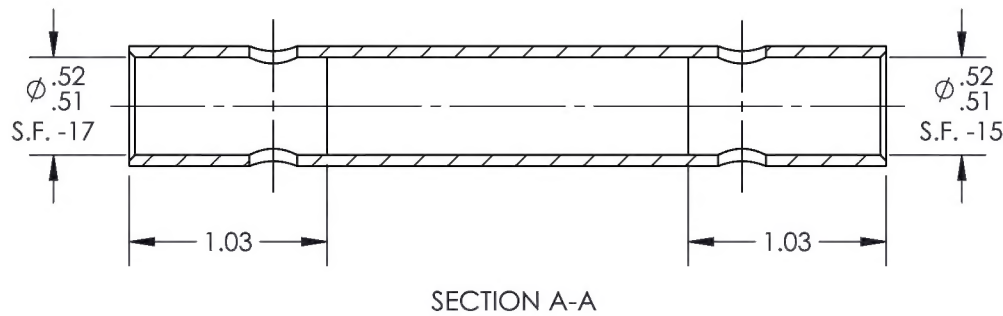
<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-11	REV 1
MAT'L ZINC PLATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°
SPEC ASTM B633 TYPE I SC 2	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 1:1	DATE 4/27/2016
SHEET 7 OF 18	

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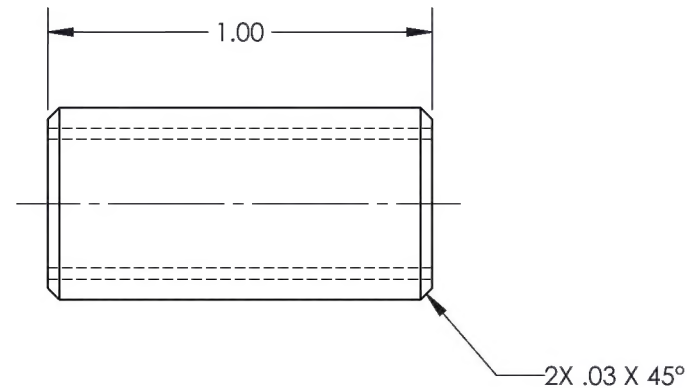
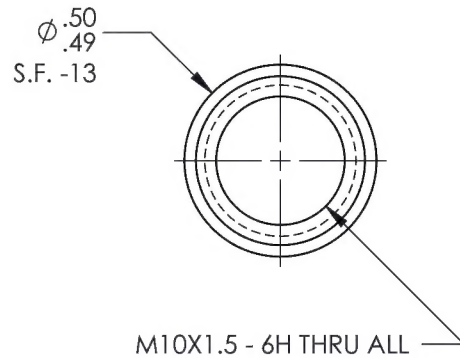
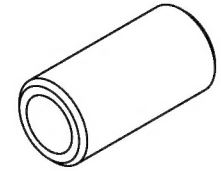
(-13)  
TUBE

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-13	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
FINISH SEE -11	.XX $\pm$ .01 ANGLES $\pm$ 5°
SPEC	.X $\pm$ .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:1	DATE 4/27/2016
SHEET 8 OF 18	



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				APPROVED



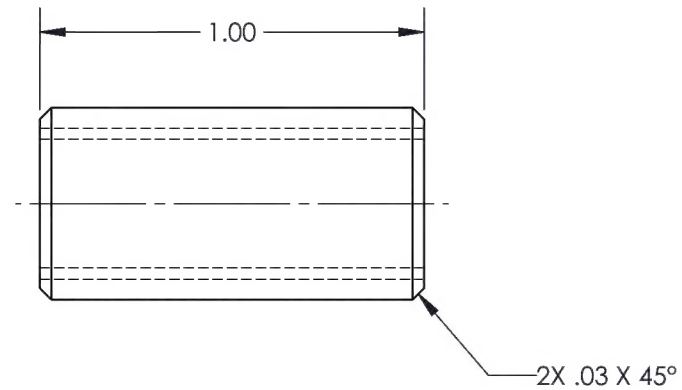
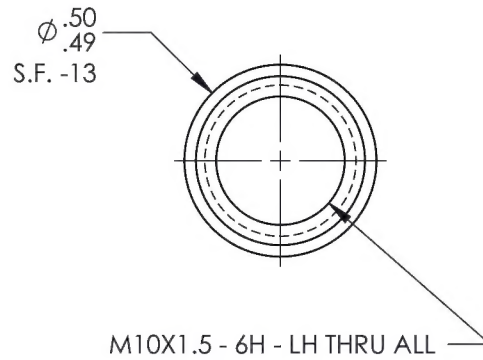
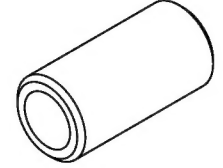
**UNDER REVIEW**  
URF 17-755 VM

(-15)  
RH THREADED TUBE

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-15	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -11	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 4/27/2016
	SHEET 9 OF 18

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				APPROVED



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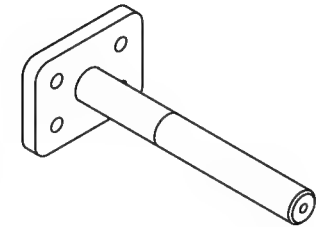
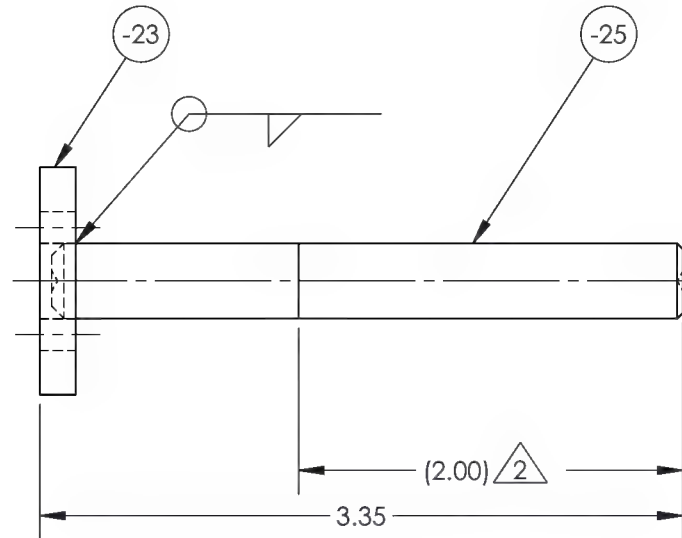
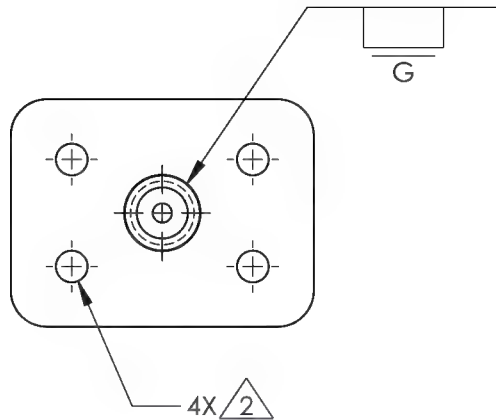
(-17)

LH THREADED TUBE

TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-17	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -11	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 4/27/2016
	SHEET 10 OF 18

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**NOTE:**

- DUAL FINISH:  
1ST: ZINC PLATE, ASTM B633 TYPE I SC2.  
2ND: POWDER COAT YELLOW, FED #13538.

2 NO POWDERCOAT THIS SURFACE.

**UNDER REVIEW**

URF 17-755 VM

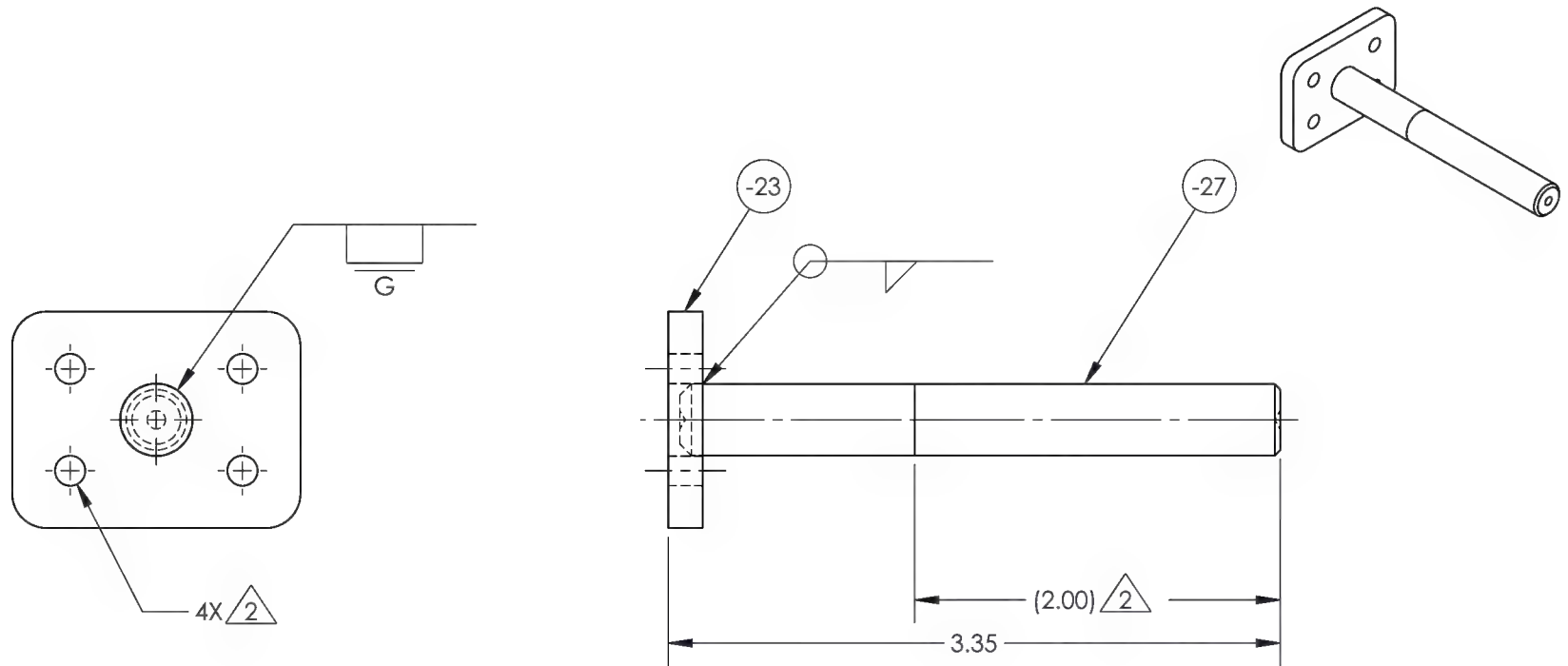
-19

LEFT WELDED THREAD BAR

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-19	REV 1
MAT'L HEAT TREAT FINISH SEE NOTE 1 SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:1	DATE 4/27/2016
SHEET 11 OF 18	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



**NOTE:**  
 1. DUAL FINISH:  
 1ST: ZINC PLATE, ASTM B633 TYPE I SC2.  
 2ND: POWDER COAT YELLOW, FED #13538.  
 2 NO POWDERCOAT THIS SURFACE.

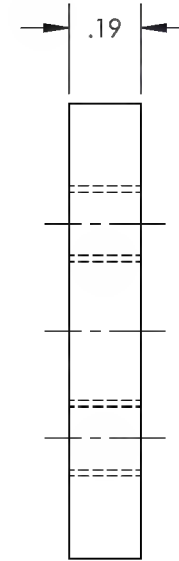
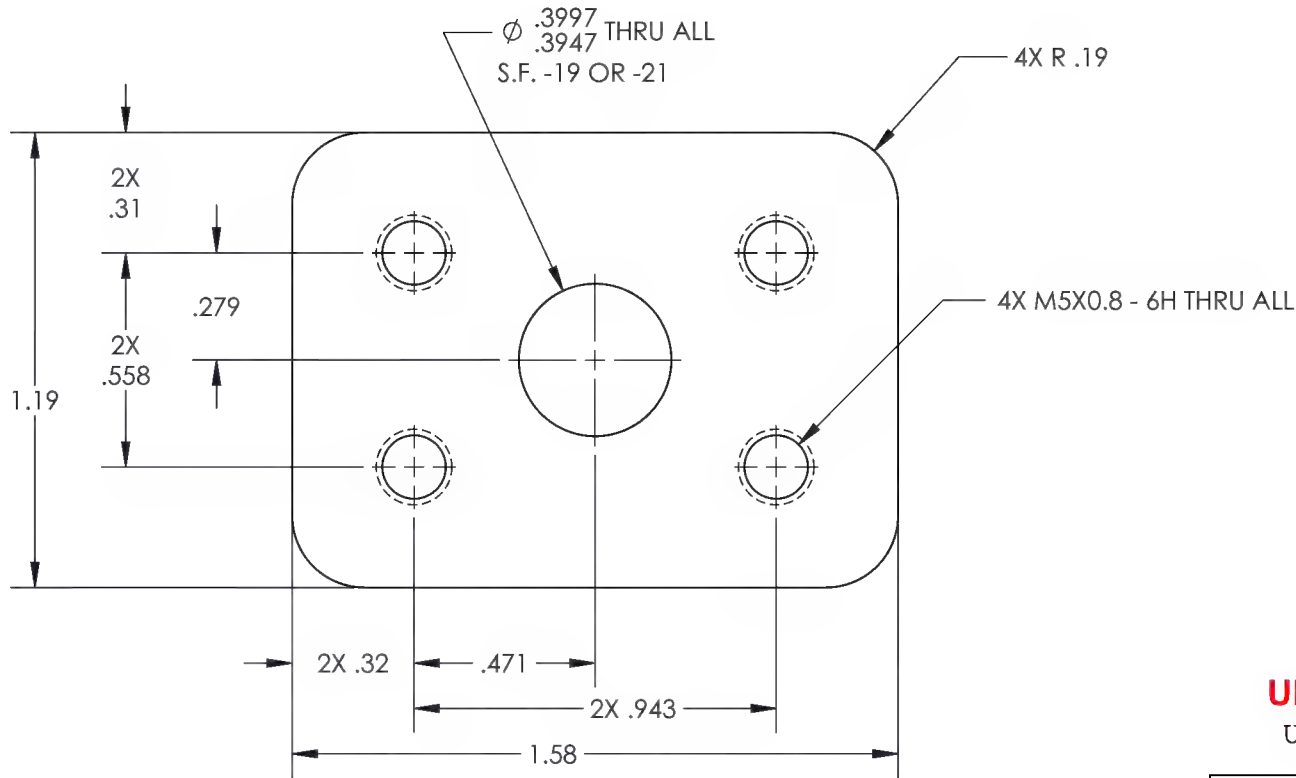
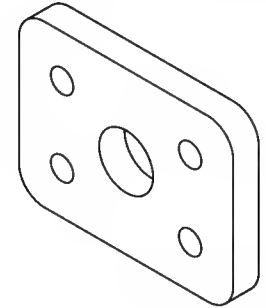
**UNDER REVIEW**  
 URF 17-755 VM

(-21)  
 RIGHT WELDED THREAD BAR

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-21	REV 1
MAT'L REAT TREAT FINISH SEE NOTE 1 SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:1	DATE 4/27/2016
SHEET 12 OF 18	

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**UNDER REVIEW**

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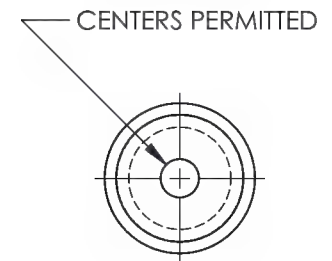
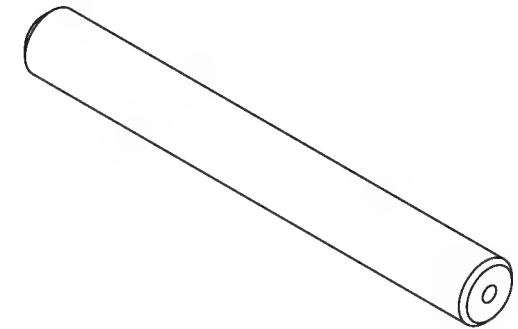
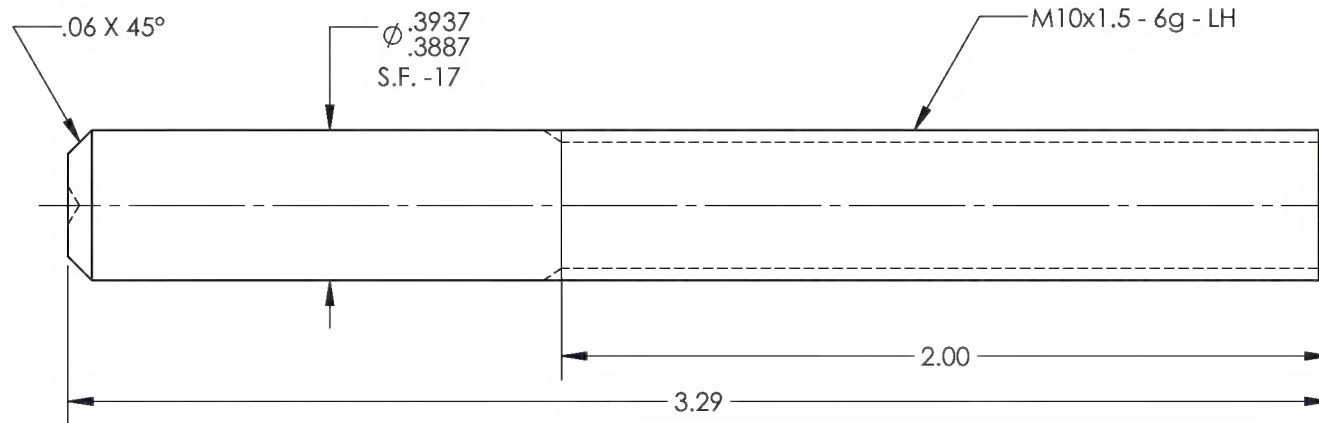
(23)

PLATE

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-23	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -13 & -15	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 4/27/2016
	SHEET 13 OF 18

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



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(25)

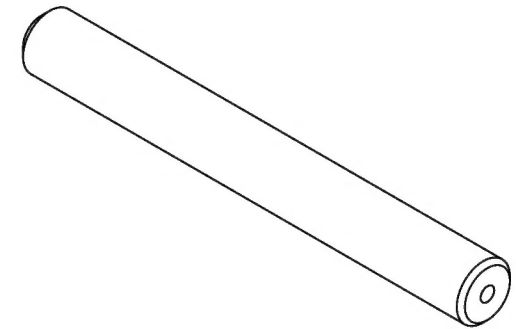
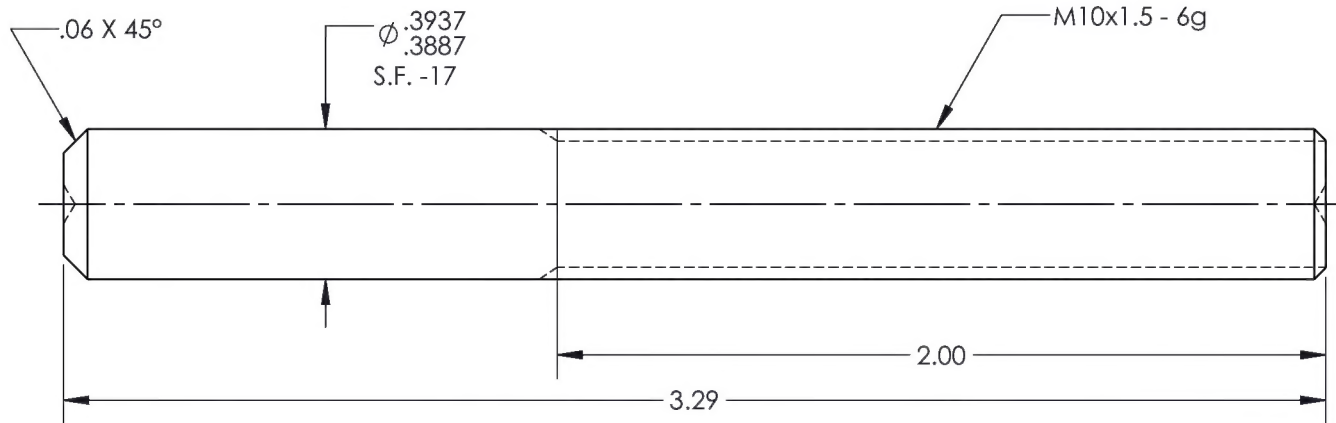
LH THREADED ROD

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-25	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT FINISH SEE -13	.XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125/
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 2:1	DATE 4/27/2016 SHEET 14 OF 18

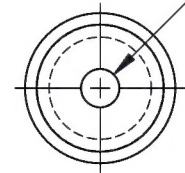


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			INITIAL
			APPROVED



CENTERS PERMITTED



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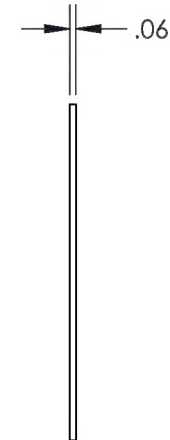
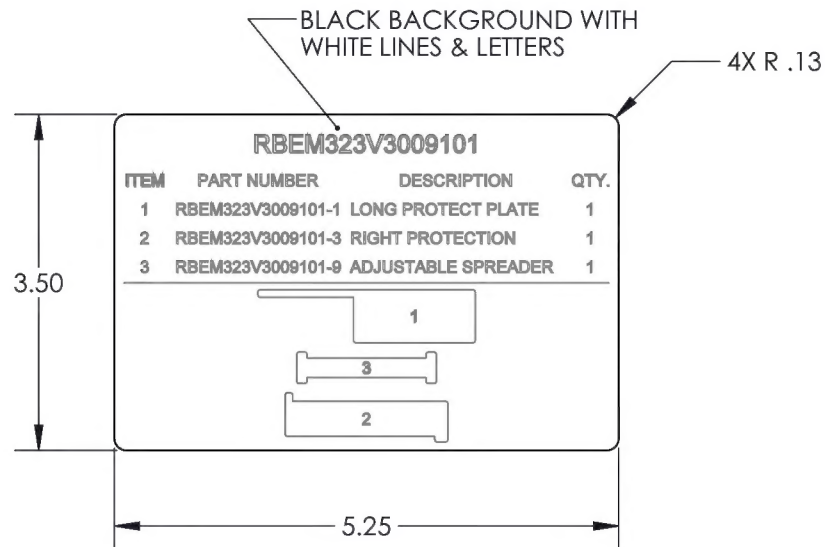
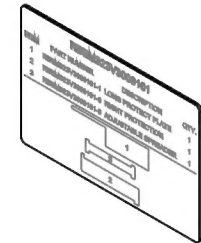
(-27)

RH THREADED ROD

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-27	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -15	.XX ± .01 ANGLES ± .5°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 2:1	DATE 4/27/2016
SHEET 15 OF 18	

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				APPROVED



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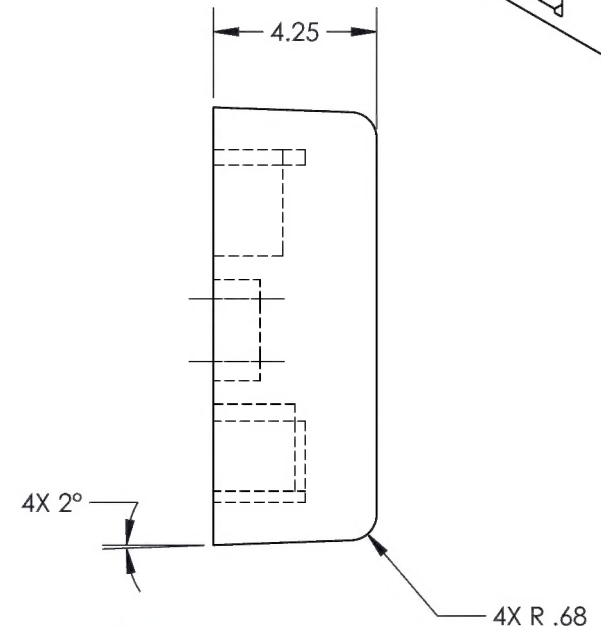
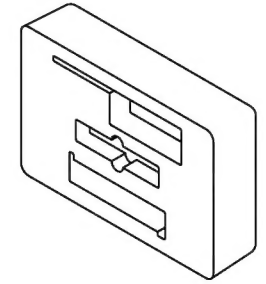
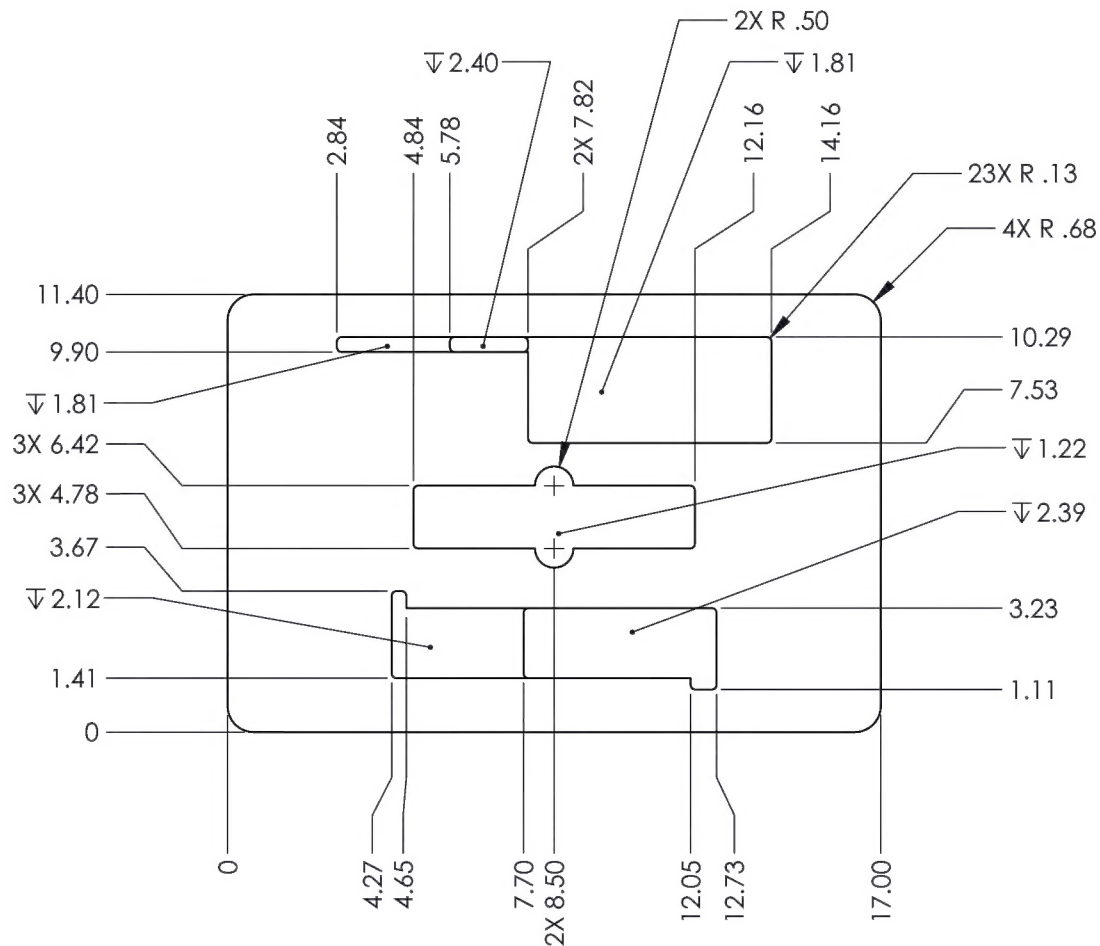
NOTE:  
USE PDF.

(29)  
PLACARD

<b>DART</b> AEROSPACE	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-29	REV 1
MAT'L PLASTIC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:2	DATE 4/27/2016
SHEET 16 OF 18	

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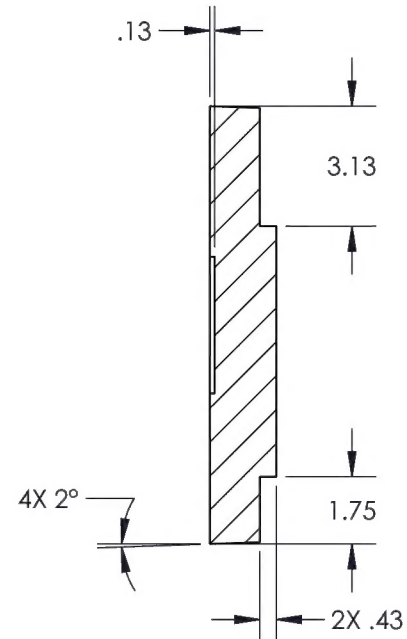
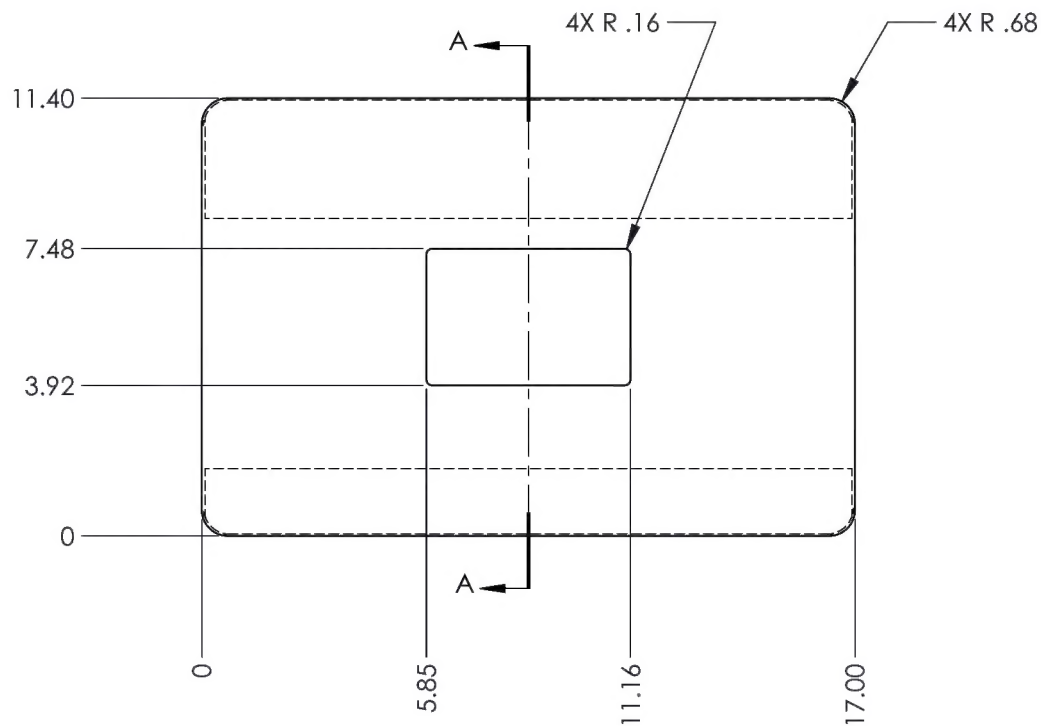
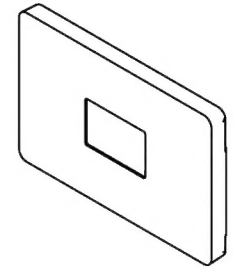
(-37)

BOTTOM FOAM

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-37	REV 1
MAT'L Y20, BLACK	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:5	DATE 4/27/2016 SHEET 17 OF 18

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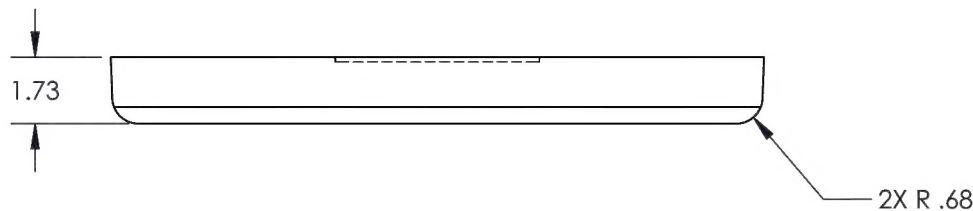
REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	



SECTION A-A

**UNDER REVIEW**

URF 17-755 VM



(-39)

TOP FOAM

<b>DART AEROSPACE</b>	
TITLE MLG TRAILING ARM REPLACEMENT PROTECT TOOL	
DWG NO. RBEM323V3009101-39	REV 1
MAT'L Y20, BLACK	
TREAT FINISH	
SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:5	DATE 4/27/2016
SHEET 18 OF 18	